THE CHENANGO INVESTIGATION.

Interesting Testimony of Mr. Edward N. Dickerson.

Mis Opinion of the Martin Boilers and the Machinery of the Double-Ender Gunboats.

What Naval Engineers Have Said of the Martin Beilers.

Minute Explanation of the Causes of the Late Explosion.

The Theory of Explosions Generally Illustrated.

super-neated steam, and I picked up some plees of that, which I gave to different people, and one of which I gave to the Coroner; the sample now shown I resegnize as one of them. In two also based Mr. Barrill testify that he had promised the wood of the deck in immediate contact with the burns fell and melled lead, and it was not scorobed, nor was it possible that any lire from the furnace outle have got there; on the contrary, the engineer were the the water poured back again from that same check, also site the truther which have no doubt whelver that examination left an possible oxeclusion on my mind, and I have heard no suggestion from any other witness of any other conclusion than the common and usual contact that the state of the same that the state of the same that the state of the same that the same that satisfy days the steamer United States arived here from Hartford, having had lower water and super-heated steam, and exhibited precisely the same phenomena; the felt was burned, and the solder in the steam pipes was melled down and ran into the engine, by the bot steam she did not explode, however, as this boiler undoubtedly sid, also her boiler was dastroyed by the excessive heat; a ter seeing that evidence I was entirely an extensive heat; as ter seeing that evidence I was entirely that the contact the state of the same proper state of the

tubes as rapidly as described, acting almost as a squirtgun, and lifting it so that if it were exerted over into
the engine, why will not this same operation saturate
superheated steam and prevent the cause of explosion, as fully described? A. This boiler, like all water
tubular boilers, will permit the water to get lower than
the boxsheet in the tube box with satety; and during that
time, as Mr. Kellogg has correctly said, it will lift the
water over that box, and will make it seem at the gauges
as if there were really solid water there; that operation
in Lemphell's water tubular boilers is so violent that
they have to put a plate over the top of the tube to keep
any water in the boilers; but the limit to that
operation is when the water gets very low, and up
to that time the water would be jerking through the
dimmished supply of water went on; meanwhile the
gauge would be indicating water at times, and the
dimmished supply of water went on; meanwhile the
gauge would be jetting drier steam continuity, until
finally the water is too low for that operation;
and then the point of danger has arrived; if at that time
the throttie be opened and the demand increased, the
water, too low to rise under the less demand, must come
up under the greater, and the explosion, occurs: so that
this quality up to a certain point is an element of safety
against carelessness; it is also the means of deceiving the
observer of the gauges as to the quantity of water in the
boiler.

Mr. John Maxson, restding at 94 Gold street, testified

boiler.

Mr. John Maxson, residing at 94 Gold street, testified to being a boiler maker and in the employ of the government in the Navy Yard. He testified to the bracing and staying of the boilers of the Chenange. He occupied the witness stand previous to Mr. Duckerson.

Adjourned till this afternoon at three o'clock, when Mr. Dickerson will resume his evidence.

Biurray, Eddy & Co.—Banagere.
Envioler, Stras Class 27—April 27, 1994.
62, 74, 64, 54, 36, 7, 35, 34, 9, 37, 10, 33, 75.

Z. B. Siminous & Co.—Managers. Surar. Extra Class 3)1-April 27, 1894. 17, 57, 29, 60, 25, 62, 56, 6, 61, 51, 66, 1, 27. Class 28-April 27, 1894. 27, 1, 51, 52, 8, 40, 16, 65, 24, 23, 54, 26.

Prance, Elits & Co.-Managers.
Linearr, Erra Class 45-April 27, 1314,
48, 25, 39, 51, 19, 65, 43, 52, 16, 63, 37, 1, 71. Prizes Cashed in Att Legalized Lotte-les and information given. GALLAGHER & BENJAMIN, Irokers, 30 Chestant street, Philadelphia.

A Perfect Hair Dye-Miller's, only 50 ents per box. Try it. Sold by all druggists, Depot 56 Der st. A Beautiful Complexion.—Lated's Bloom of Youth surpasses everything for preserving and beauti-fying the complexion and skin. 43 Broadway, and drug-gists everywhere.

Address to Smokers.—Pulink & Son, Mershaum manufacturers, 357 Brooms areed, near the Bowers, sail goods at wholesale and retail. Pipes out to order, repaired, boiled and mounted.

A Remarkable Invention in Hoop kirts-Duplex Elliptic. See advertisement. Annihilator.—Pain Annihilator, In-siani Pais Annihilator, Wolcott's Instant Pain Annihilator Sold everywhere,

Armed to the Teeth is a very common expression; but we think armed to embellish and preserve them to a ripe old age is decidedly more benebula and appropriate. This can only be done by keeping yourself & ways supplied, convenient for use, with a bottle of that rowned and imperishable delight of every lady's or gentleman's tollet, the "Fragrant Sozidont" for cleaning, beautifying and preserving the teeth, avestening and purifying the breath it has no equal. Sold by druggists servywhere and by HALL & RUCKELL, Proprietors, 218 Green wich street, N. Y. 75 cents per bottle.

Brandreth's Pills.
This excellent medicine is for sale, sugar-coated, SIXTY PILLS in a box, price fifty cents.

This style is only for sale at

The principal office, 294 Canal street,
No. 83 Bradway, and
No. 4 Union square. New York.

ALLCOCK'S POROUS PLASTER also for sale as above

Batchelor's Hair Dye—The Best in the world Harmissa, reliable, instantaneous, The only po-fection, Sold by all druggista Factory & Barolay street.

Brilliant and Powerful Day and Night Double Ferspective Glasses, for the field, sea, opera and tourist's use—compact portable and efficient. A spiendid assortment at Occulists' Optician 600% Broadway, under Lafarge House,

Cristadoro's Hair Dye, Preservative and Wig Depot, wholesale and retail—Ne. 6 actor House. The dye applied by skilful artists.

The dye applied by skilful artists.

Corns, Buntons, Inverted Nalls, Enlarged Joints and all diseases of the Free cured without pain or inconvenience to the patient by Dr. ZAOHARIS, Surgeon Chiropodist, 760 Breadway.

Cloth and Parchment Tags for Shipping Cutton, Wool, Flan, &c., at Victor E. MAUTER S, 118 Chambers; in et.

Dr. Starshati's Cata rh Scanff is the best comed known for Catarch and all diseases caused by a fold at a lived. It moves ant parges out all obstructions straightens to 4 am s, and gives a healthy active to the jaris softened. Such by all draugusts.

Dearbest of Children and of Young ab ett, with or wish title sages from the eye and all ohr obested appealing to sixth and hearing resures the as all tention from D. CADWillian No. of Children place, good street. Hours from 9 to 4.

Deafness, Impaired Sight. NOISES IN THE HEAD, CATABREAL APPECTIONS IN THE CHRONIC CATARRE. MEMBRASE, OBSTRUTICONS OF THE CERPD.

CROSS EVE STRAIGHTENED IN OUR MINUTE, and every obtained of the Eye and Egy requirement of the French and of the Committee of

lixth National Bank of New York, Sixth avenue

Everything New That Appears

Gouraud's Poudre Subille Uproots Hate from lew foreheals or any part of the body. Warranted at his new depot, 468 Broadway. Grover & Baker's Highest Pre

Hermia or Rupture Cured by Dr.
MARSH'S Radical Cure Truss,—This truss has received the
approval of the most emineat surgeons of this country and
of Europe. It is simple and easily adjusted, and the pressure can be graduated by the patient. It will support the
most complicated case of rupture without inconvenience to
the wearer. We have also on band Marsh's Abdominal Supporters. Sitk Elastic Stockings, Kne. Caps, Shoulder Brosches,
Suspensory Bandages, &c. MARSH SROTHERS,
corner of Broadway and Ann attent, under Sarnum's
Museum. Open from 7 A. M. till 9 P. M.

"Her Majesty" Champagne.—The Rey-Wine of England. 1,000 cases of this exquisite Wine for alc, at \$20 per case. W. H. WARD, No. 7 Broad street, N. Y. H. S. Danziger's Vermin Extermina-ters. Principal office 411 Broadway.

Ivory Jewelry—Wholesale and Retail, at WELLING'S, 207 Centre street, sign of the Golden Etc.

phant.

Important to Soldiers Discharged for wounds.—The \$100 bounty is now paid. Apply with discharge. Communications by mair promptly answered and blanks sent. SOMES. BROWN & CO., No. 2 Park place,

Knog's Spring Style.—The New Style of hat introduced by KNOX, 212 Broadway, corner of Pulton street, is creating a sensation; for it is one of the neatest and most tasteful articles of the kind that has ever been in troduced. The gentleman has for years been famuse for the fashions in hat's he every season brings out, and his latest production will intrease his fame, and they will undoubtedly be very generally worn.

Ladirs, Attention—Finting, Anywidth, five cents per yard; French Fluting at 927 Broadwa between Twenty-first and Twenty second streets.

Public Spenkers, Military Men and singers, and all suffering from irritation of the throat and diate relief afforded by the use of BROWN'S BRONGHIAL TROCHES. Their demulcent ingredients allay pulmonary throat is wearied and weakened by too much exercise, their use will give renewed strength to the vocal organs.

Pimples, Freckies, Taw, Eruptions, Tetter, Saitr'eum, Sallowness, Flesh Worms, &c. cured by GOURAUD'S Italian Medicated Sonp, at his new depot, 433 Broadway.

Prof. Alex. C. Harry's Tricopherous or Medicated Compound, for preserving, restoring and heautifying the hair, eradicating sour's and dandruif, preventing baldness and gray hairs, curing diseases of the stim, glands and muscles (such as sait rheum, pimples chibains, &c. chaps, rheumatism, swellings, sore throat. &c., giving instant relief in cases of cuta brujes, sprains, unra, scalin, e., Frie 25 cents. Sold by all druggists throughout the world. Frincipal office 374 Feart street N. Y.

world. Principal office 374 Pearl street N. T.

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sovels dense your stomet p rift your bool cure your
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Wigs, Toupees, Hair five, Hair Dve mg and Meliaria Cram for east fying the Bair, at W. A. BACChristoff & Wilson & Highest Premium Lock ritch Sexing Nachines, 5.5 Broadway. Writches and J. W. L. P. SCEPPTIONS

For sale by GEORG C. ALLEN, 4.5 Broodway.

Cne door below Canal Street, formerly it Was street.

MARRIAGES AND DEATHS.

BARRUH—BRIRIAR—ON Wedenday, April 27, at the residence of the bride's father, Fordham, Westchester county, N. Y., by the tev Colling wood Rutherford, Mr. Lanoy Barrum, of Bridgeport, Com., to Miss Barra E. Barris, of the former piece No cards.

Barris—Pril.—On Wedenday, April 27, at All Soule church, by the Rev. Mr. Stebbins, Grones Printinger Church, by the Rev. Mr. Stebbins, Grones Printinger Barris to Laura, daughter of the late Ferris Frij, Kaq Brints Printing, by the Rev. A. B. Carter, Erise. at B. John's church, by the Rev. A. B. Carter, Erise. Inger Burkhar—of Yookers, to Lytot E., daughter of the late John Frinze, of this city Crawroff—Dary —Or Tuesday, April 28, by the Rev. Dr. Newell, at the Prochyterian church, Allen atroct, Mr. Wr. L. Crawrond to Miss C. Amilia Davy, both of this city.

Armell, Erwann W. Christine to Committa A. Dimenow, eddom daughter of John Dimbrow, Esq., all of Haverstraw. No coards.

District Street Committee Committee

Brans.—At Huntington, L. P., on Tuesday, April 26, O. W. Brans, in the 58th year of his age, a resident for the set thirty fley years of the Reventh ward of New York.

His friends are respectfully invited to attend the fune ral, at Huntington, this (Thersday) afternoon, at three orlook.

al, at Hunington, the Calendary Probock.

Barrin.—At his residence, 027 Third avenue, ingering illness, Thomas Barrins, aged 45 years.

Notice of funeral in te-morrow's paper.

Barriett.—Of diptheria, on Wednesday af April 27, Frank Warner, only oblid of William Josephice Bartists.

Notice of funeral will appear in Friday's papers Charrell.—On Tuesday, April 26, after a brief

of the late James Kenny, aged 1 year, 6 months age says.

The relatives and friends of the family are respectfully invited to attend the funeral, this (Thursday) aftersoon, at one o'clock, from his late residence, No. 246 Elizabeth street, without further notice.

King,—On Wednesday, April 27, from injuries received 12 the Army of the Potomac, Inomas Kinu, late of the Thirty seventh New York State Volunteers, aged 24 years. His friends, and those of his brother in law. Thomas Johnston, are invited to attend his funeral, from No. 6 Madison street on Friday attendoon, at two o'clock.

Colerato (Ireland) papers please copy.

KENNETCE—On Wednesday, April 27, John KENNETCE—On Wednesday, April 27, John KENNETCE—On Wednesday, April 27, John KENNETCE—Interest of Washington Kagine Company No. 20, are respectively invited to attend the funeral, from his late residence, No 22 Thames street, on Friday atternoon, at two o'clock.

Lavier —On Wedneeder April 27, Computa Currant Lavier wife of Dougan A Leven, aged 41 years Funeration Saturday morating at eleven o'clock, from the Brandreth House, corner of Broadway and Canal

Lavies —On Wednesday, April 27, Combetta Clareases
Funeracion Saturday morning, at eleves o'clock, from
the Brandreis House, corner of Broadway and Canad
sirvest.

Albany and Beffalo papers please copy.

Monanty —On Monday evening, April 25, at his residence, No. 133 second street, Mr. Lowand F. Monanty.

Deceased was a brother of the late Bir Thomas Morsety.

The remains will be taken to the Church of the Nativity,
this (Thursday) morning, at nice o'clock; thence to Calvary Cemetry. The Friends of the lamity, and those of
his son, James J. Morarty, also those of his brothers inlaw, Rev James Dr. Richard J. and John S. O'sullivas,
are respectfully towited to attend.

Roscommon (trenand) papers please copy.

Makiny —At his residence, 653 Fourth street, on Tuesday, April 25, at egglot o'clock P. M. Joszen Makins, M. D.

The irrends of the family, and the memoers of the medical profession, are respectfully invited to attend the funeral, at the Church of the Nativity, in avenue 'i. mer Sixth
irrest, this (Thursday) siternoon, at two 'clock, without
further notice.

McDowand —On Wednesday, April 27, after a short and
severe liness, Emma McDonade, agod 3 months and 14 days.

The relatives and friends of the family are respectfully
invited to attend the funeral, from the residence of her
parents, No. 307 Fearl street, on Friday afternoon, at halfplast one o'clock.

McCarrier.—On Wednesday, April 27, Carallas McCarrier, a native of Ennestmine, county Clare, ireland,
in the 28th year of his age.

The iriends of the family are respectfully
invited to attend the funeral, from the residence of her
parents, No. 307 Fearl street, on Friday afternoon, at halfplast one o'clock.

McCarrier, a native of Ennestmine, county Clare, ireland,
in the 28th year of his age.

The iriends of the family are most respectfully invited
to attend the funeral, from the free funeral, from her
and part of the family are most respectfully invited to attend the funeral,
irom her half part of the family are funeral
ing April 27, Aw

wie of a bristian stour, aged 35 years, 3 most in said 2:

Lays.

In free 2 and no u minness are invited to aftend the
inperat, from her late rec dence, near Fits at one in
Filt enth effect, Browlyn, this (thursday) alternous,
at three o clock

Farmento 1 a ers piece copy

Washed L.—lo I rowey, on Well ceday, April 27 at
mon, ligner was at m the 64th y ar of his age.

The remaines and red so are respect usly mailed to a
tend the inneral, from the residence of he brother in
law. Frede ica Harring, 319 at he street. Brockey, on
Fit avaite note, as two o'clock—he remains will be
trace to recowood tempery.

Y remains—in Welmowing, April 27 of the heart demare, i mare only collected for W. and Carris Youmans,
aged I year, 4 months and 7 dows.

The trends a dreatives of the family are united to
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